

BUTORIN, V. I.

"Investigation of the Means of Improving Cupola Furnace Coke." Cand Tech Sci
Chair of Chemical Fuel Technology, Ural Polytechnic Inst imeni S. M. Kirov, Min
Higher Education USSR, Sverdlovsk, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational
Institutions (13)
So: Sum. No. 598, 29 Jul 55

GOFMAN, M.V., doktor tekhnicheskikh nauk; BUTORIN, V.I., kandidat
tekhnicheskikh nauk.

Letter to the editor. Lit.proizv. no.9:32 S '56. (MLRA 9:11)
(Goke)

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BUTORIN, V.I.

Noncontact remote control devices used at the Moscow Subway.
Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i
tekhn. inform. 17 no.2:46-49 '64. (MIRA 17:6)

BUTORIN, V.I.

Work of the Section of Neuropathologists and Psychiatrists of the
city of Chkalov. Zhur. nevr.i psikh. 54 no.2:206 F '54.

(Chkalov--Neuropathology) (Neuropathology--Chkalov) (MLRA 7:3)

BUTORIN, V. I.

BUTORIN, V. I.: "On the pathogenesis of the depressive phase,
and of psychogenic depression". Leningrad, 1955. Acad Med Sci
USSR. Joint Council of the Group of Leningrad Insts.
(Dissertations for the Degree of Doctor of Medical Sciences)

SO: Knizhnaya letopsi', No. 52, 24 December, 1955. Moscow.

Butorin, V.I.

USSR/Human and Animal Physiology - Nervous System.

R-12

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71133

Author : Butorin, V.I.

Inst :

Title : Bioelectric Changes in the Activity of the Brain in
Hallucinations.

Orig Pub : Coll. Vopr. teorii i praktiki electrentsefel. L. LGU. 1956
235-244

Abstract : In patients with auditory hallucinations changes in
electroencephalogram (EEG) (arythmias, θ and Δ waves,
"pika-like fallout" disturbances in reaction) which
are frequently diffused but, sometimes, predominate in
the upper left region. Changes in EEG are nonspecific
for the different clinical forms of diseases.

Card 1/1

- 91 -

Country : USSR
Category: Human and Animal Physiology. Nervous System.
Higher Nervous Activity. Behavior.

T

Abs Jour: RZhDiol., No 19, 1958, 89264

Author : ~~Butorin, V.I.~~
Inst : Chkalov Medical Institute
Title : On Changes of the Reactivity of the Nervous System
in the Depressive Phase of Manic-Depressive Psychosis.

Orig Pub: Tr. Chkalovskogo med. in-ta, 1956, vyp. 5, 434-
443

Abstract: Investigations were made in 44 patients of the dynamics of the EEG, of the subordination chronaxy and of the galvanocutaneous reflexes, and simultaneously the arterial pressure, pulse and excretion of sweat were registered following the administration

Card : 1/3

Country : USSR
Category: Human and Animal Physiology. Nervous System.
Higher Nervous Activity. Behavior.

T

Abs Jour: RZhDiol., No 19, 1958, 89264

of adrenalin, carbocholine, caffeine and sodium anytal. The electrophysiological indices failed to visibly deviate from normal under conditions of rest. Disturbances were present only in cases of changed forms of reaction to the administrated drugs; changes of the functional condition of the C.N.S. with lowering of the liveliness of the nervous processes, with slowing of their diffusion and inertia, with depression and distortion of reactivity, and with the presence of foci of stationary excitation; all these demonstrated the development of the process of parabiosis. Inhibition takes place in the cerebral cortex, while

Card : 2/3

T-122

USSR/Human and Animal Physiology. The Nervous System.

T

Abs Jour: Ref Zhur-Biol., No 8, 1958, 36908.

Author : ~~Buterin, V.I.~~
Inst : Chkalovsk Medical Institute.
Title : The Functional Status of the Vegetative System and
Vegetative-Mimetic Materials in the Blood of Depressed
Patients.

Orig Pub: Tr. Chkalovskogo med. in-ta, 1956, vyp. 5, 444-451.

Abstract: Sympathotico-mimetic materials predominated in the
blood of maniac-depressive psychotics during the
depressive stage (the effect of patient's blood on
the frog heart, method of Borozin). These were ro-
markably more frequent in patients with manifestations
of alarm and fear than in patients with manifestations

Card : 1/2

man/human and animal physiology. The Nervous System.

Abs Jour: Ref Zhur-Biol., No 8, 1958, 36908.

of apathy and melancholy. The content of sympathico-mimetic materials in the patients blood increased with age and development of arteriosclerosis. The value of parasympathico-mimetic materials during the depressive phase was also increased in a certain number of cases. The metabolism of these patients is usually elevated. In psychogenic depression the vegetative-humoral correlation and the symptomatic effect are less steady.

Card : 2/2

122

BUTORIN, V.I.

Significance of the sympathetic nervous system in the development of manic-depressive psychosis and schizophrenia. Trudy Gos. nauch.-issl. psikhonevr. inst. no.20:95-103 '59. (MIRA 14:1)

1. Kafedra psikhatrii Orenburgskogo meditsinskogo instituta.
Zaveduyushchiy kafedroy - prof. V.I. Butorin).
(NERVOUS SYSTEM, SYMPATHETIC)
(MANIC-DEPRESSIVE PSYCHOSES)
(SCHIZOPHRENIA)

BUTORIN, V.I., kand.tekhn.nauk

Using anthracite slack in the coking charge at the Leningrad Coke
and Gas Plant. Koks i khim. no.8:13-15 '61. (MIRA 15:1)

1. Magnitogorskiy gornometallurgicheskiy institut.
(Leningrad--Coke)

BUTORIN, V.I.

Changes in the functional state of the brain and the effect
of psychopharmacological therapy in endogenous and psycho-
genic depressions. Nerv. sist. no.4:164-167 '63 (MIRA 18:1)

1. Institut fiziologii AN SSSR, Leningrad.

BUTORIN, V. I.

"Emotsional'noye myshleniye i psikhofarmakologicheskaya terapiya."

report submitted for 15th Intl Cong, Intl Assn of Applied Psychology,
Ljubljana, Yugoslavia, 2-8 Aug 1964.

BUTORIN, Vladimir Ivanovich, prof.; BOTSANOV, K.V., red.

[What one should know about neuropsychic diseases]
Chto nado znat' o nervno-psikhicheskikh zabolevaniakh.
Moskva, Meditsina, 1965. 37 p. (MIRA 18:12)

BUTORIN, Yu.

Organization of excavation work in the US-16 unit. Avt.dor. 28
no.6:28 Je '65. (MIRA 18:8)

BUTORINA, A.N.; KHAMITOVA, V.Z.

Cooperation of the Institute of Regional Pathology with the medical
institutions of the Republic. Vest. AN Kazakh. SSR 10 no.6:67-70 Je '53.

(MIRA 6:8)

(Kazakhstan--Public health, Rural) (Public health, Rural--Kazakhstan)

BUTORINA, A.N.

Defense of dissertations. Vest. AN Kazakh. SSR 11 no.6:102-104
Je '54. (MLRA 7:8)
(Brucellosis) (Blood--Transfusion)

BUTORINA, A.N.

~~CONFIDENTIAL~~
Defense of dissertations. Vest. AN Kazakh. SSR 11 no.4:105-107 Ap '55.
(Medicine) (MLRA 8:8)

BUTORINA, A.N.

Is retrogression of silicosis possible? Vest.AN Kazakh.SSR 12
no.2:87-91 F '56. (MLRA 9:6)

1.Predstavlena deystvitel'nym chlenom AN KazSSR A.P.Polosukhinym.
(Lungs--Dust diseases)

BUTORINA, A.N.

Changes in the size of the heart in patients with silicosis;
orthocardiographic data. Trudy Inst.kraev.pat.AN Kazakh.SSR
4:175-178 1956. (MLBA 10:3)

(LUNGS--DUST DISEASES)

(HEART--HYPERTROPHY AND DILATION)

BUTORINA, A. N.

BUTORINA, A.N.

Saturation of blood with oxygen in silicosis. Vest. AN Kazakh. SSR
13 no.7:97-100 J1 '57. (MLRA 10:9)
(Lungs--Dust diseases) (Anoxemia)

RUTORINA, A.N.

Symposium on the problem of pneumoconioses. Vest. AN Kazakh.

SSR 13 no.8:90-91 Ag '57.

(MLRA 10:9)

(LUNGS--DUST DISEASES)

GERBST, V.V., prof., ISMAGULOVA, Kh.Sh., BUTORINA, A.N.

Compound therapy for silicosis in sanatoriums. Vrach.delo no.3:301-303
Mr'58 (MIRA 11:5)

1. Ust'-Kamenogorsk, Vostochno-Kazakhastenskoy obl., Sanatoriy
"Gornyak."
(LUNGS--DUST DISEASES)

BUTORINA, A.N., mladshiy nauchnyy sotrudnik

Course of silicosis following cessation of patients' contact
with silica dust. Bor'ba s sil. 4:25-28 '59. (MIRA 12:11)

1. Institut krayevoy patologii AN KazSSR.
(LUNGS--DUST DISEASES)

LYAKH, G.D.; BUTORINA, A.N.

Hygienic working conditions and the possibility of developing
pneumokoniosis in the cement plants of Kazakhstan. Trudy Inst.
kraev. pat. AN Kazakh. SSR 9:65-73'61. (MIRA 16:7)
(KAZAKHSTAN--CEMENT INDUSTRIES--HYGIENIC ASPECTS)
(KAZAKHSTAN--LUNGS--DUST DISEASES)

BUTORINA, A.N.

Population-wide preventive medical examination of the
residents of Alma-Ata, November 10 - 26, 1960. Trudy Inst.
klin. i eksp. khir. AN Kazakh. SSR 8:21-22 '62. (MIRA 17:7)

LAVRUSHKO, P.; VAYNZOF, A.; BANNIK, Yu.; BUTORINA, E.; SUKHOVICH, V.

Hidden potentialities for the increase of labor productivity in
pipe workshops. Biul. nauch. inform.: trud i zar. plata 3
no. 10:3-13 '60. (MIRA 13:12)
(Ukraine--Pipes) (Labor productivity)

VAYNZOF, A.M., inzh.; BANNIK, Yu.A., inzh.; BUTORINA, E.I., inzh.

Methods of establishing industrial standards and potentialities
for an increased output in pipe drawing mills. Stal' 23 no.3:
254-259 Mr '63. (MIRA 16:5)

1. Ukrainskiy nauchno-issledovatel'skiy trubnyy institut.
(Pipe mills--Production standards)

BUTORINA, I.V.

Course of cholecystitis in senile persons. Trudy Inst. im.
N.V. Sklif. 9:90-93 '63. (MIRA 18:6)

1. Leningradskiy nauchno-issledovatel'skiy institut skoroy pomoshchi
imeni prof. I.I. Dzhanelidze.

Butorina, I.V.
KOZHEVNIKOVA, Z.N.; ROLLE, Ye.N.; PUSHILOV, M.G.; BUTORINA, I.V.;
ZAV'YALOVA, M.A.; KARPOV, M.M.

Second Leningrad municipal conference of young surgeons. Vest.khir.
78 no.1:140-145 Ja '57. (MLRA 10:3)
(SURGERY)

LANTRATOVA, A.S., dotsent; BUTORINA, L.A.

Change in the germination of seeds and growth of seedlings
of larch under the influence of trace elements. Uch.zap.
Petrozav.gos.un. ll no.4847-50 '63.

(MIRA 19:1)

1. Kafedra botaniki i fiziologii rasteniy Petrozavodskogo
gosudarstvennogo universiteta.

BUTORINA, L.G.

Phytoplankton of Ivan'kovo Reservoir during 1954-1956. Trudy
Inst.biol.vodokhran. no.4:20-33 '61. (MIRA 14:10)
(Volga Reservoir--Phytoplankton)

BUTORINA, L.G.

Some data on the distribution and life cycle of Polyphemus pediculus. Trudy Inst. biol. vnutr. vod no.6:143-152 '63.

(MIRA 18:1)

BUTORINA, L.N.

Electron-diffraction study of tungsten carbide WC. Kristallografiia
5 no.2:233-237 Mr-Apr '60. (MIRA 13:9)

1. Issledovatel'skiy fiziko-tekhnicheskiy institut pri Gor'kovskom
gosudarstvennom universitete im. N.I.Lobachevskogo.
(Tungsten carbide)

82508

S/070/60/005/004/008/012

15.2220

AUTHORS: Butorina, L.N. and Pinsker, Z.G. ^{E132/E360}

TITLE: An Electron Diffraction Study of W_2C

PERIODICAL: Kristallografiya, 1960, Vol. 5, No. 4, pp. 585 - 588 + 1 plate

TEXT: The structure of the compound W_2C has been determined earlier and belongs to the CdI_2 -type with space group D_{3d}^3 . However, a variety of parameters have been given for the W atom and the position of the C atoms was only inferred from the packing. Specimens of W_2C were here obtained by cementation in CO (obtained by the decomposition of formic acid) of metallic films of W condensed on crystals of NaCl on Pt grids. W_2C was obtained at a temperature of cementation of 1100 °C and above in 5 minutes. Electronograms from polycrystalline films gave $a = 2.98$ and $c = 4.71 \text{ \AA}$. No extinctions were observed and 74 reflexions could be indexed. Intensities were estimated by photometering the plates. The three-dimensional Patterson-Harker section at 110 was calculated to give the z parameter of the W atom which was found to be 0.25. In calculating the

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An Electron Diffraction Study of W_2C

intensities a temperature factor with $B = 0.5$ was introduced. For all 74 reflexions a reliability factor $R = 9\%$ was reached. No deviation of the W atom from its ideal position was detected. A Fourier difference section at 110 was calculated and the C atoms were visible with peak heights of 260 V (compared with 1750 V for W). There are 5 figures, 1 table and 7 references: 1 French, 2 German, 1 international and 3 Soviet. 4

ASSOCIATION: Gor'kovskiy issledovatel'skiy fiziko-tekhnicheskiy institut pri gosudarstvennom universitete im. N.I. Lobachevskogo (Gor'kiy Research Institute of Physics and Technology at the State University im. N.I. Lobachevskiy)

SUBMITTED: April 4, 1960

Card 2/2

1. All information contained herein is classified as follows: (S) (C) (R) (A) (D) (U) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) (AA) (AB) (AC) (AD) (AE) (AF) (AG) (AH) (AI) (AJ) (AK) (AL) (AM) (AN) (AO) (AP) (AQ) (AR) (AS) (AT) (AU) (AV) (AW) (AX) (AY) (AZ) (BA) (BB) (BC) (BD) (BE) (BF) (BG) (BH) (BI) (BJ) (BK) (BL) (BM) (BN) (BO) (BP) (BQ) (BR) (BS) (BT) (BU) (BV) (BW) (BX) (BY) (BZ) (CA) (CB) (CC) (CD) (CE) (CF) (CG) (CH) (CI) (CJ) (CK) (CL) (CM) (CN) (CO) (CP) (CQ) (CR) (CS) (CT) (CU) (CV) (CW) (CX) (CY) (CZ) (DA) (DB) (DC) (DD) (DE) (DF) (DG) (DH) (DI) (DJ) (DK) (DL) (DM) (DN) (DO) (DP) (DQ) (DR) (DS) (DT) (DU) (DV) (DW) (DX) (DY) (DZ) (EA) (EB) (EC) (ED) (EE) (EF) (EG) (EH) (EI) (EJ) (EK) (EL) (EM) (EN) (EO) (EP) (EQ) (ER) (ES) (ET) (EU) (EV) (EW) (EX) (EY) (EZ) (FA) (FB) (FC) (FD) (FE) (FF) (FG) (FH) (FI) (FJ) (FK) (FL) (FM) (FN) (FO) (FP) (FQ) (FR) (FS) (FT) (FU) (FV) (FW) (FX) (FY) (FZ) (GA) (GB) (GC) (GD) (GE) (GF) (GG) (GH) (GI) (GJ) (GK) (GL) (GM) (GN) (GO) (GP) (GQ) (GR) (GS) (GT) (GU) (GV) (GW) (GX) (GY) (GZ) (HA) (HB) (HC) (HD) (HE) (HF) (HG) (HH) (HI) (HJ) (HK) (HL) (HM) (HN) (HO) (HP) (HQ) (HR) (HS) (HT) (HU) (HV) (HW) (HX) (HY) (HZ) (IA) (IB) (IC) (ID) (IE) (IF) (IG) (IH) (II) (IJ) (IK) (IL) (IM) (IN) (IO) (IP) (IQ) (IR) (IS) (IT) (IU) (IV) (IW) (IX) (IY) (IZ) (JA) (JB) (JC) (JD) (JE) (JF) (JG) (JH) (JI) (JJ) (JK) (JL) (JM) (JN) (JO) (JP) (JQ) (JR) (JS) (JT) (JU) (JV) (JW) (JX) (JY) (JZ) (KA) (KB) (KC) (KD) (KE) (KF) (KG) (KH) (KI) (KJ) (KK) (KL) (KM) (KN) (KO) (KP) (KQ) (KR) (KS) (KT) (KU) (KV) (KW) (KX) (KY) (KZ) (LA) (LB) (LC) (LD) (LE) (LF) (LG) (LH) (LI) (LJ) (LK) (LL) (LM) (LN) (LO) (LP) (LQ) (LR) (LS) (LT) (LU) (LV) (LW) (LX) (LY) (LZ) (MA) (MB) (MC) (MD) (ME) (MF) (MG) (MH) (MI) (MJ) (MK) (ML) (MM) (MN) (MO) (MP) (MQ) (MR) (MS) (MT) (MU) (MV) (MW) (MX) (MY) (MZ) (NA) (NB) (NC) (ND) (NE) (NF) (NG) (NH) (NI) (NJ) (NK) (NL) (NM) (NN) (NO) (NP) (NQ) (NR) (NS) (NT) (NU) (NV) (NW) (NX) (NY) (NZ) (OA) (OB) (OC) (OD) (OE) (OF) (OG) (OH) (OI) (OJ) (OK) (OL) (OM) (ON) (OO) (OP) (OQ) (OR) (OS) (OT) (OU) (OV) (OW) (OX) (OY) (OZ) (PA) (PB) (PC) (PD) (PE) (PF) (PG) (PH) (PI) (PJ) (PK) (PL) (PM) (PN) (PO) (PP) (PQ) (PR) (PS) (PT) (PU) (PV) (PW) (PX) (PY) (PZ) (QA) (QB) (QC) (QD) (QE) (QF) (QG) (QH) (QI) (QJ) (QK) (QL) (QM) (QN) (QO) (QP) (QQ) (QR) (QS) (QT) (QU) (QV) (QW) (QX) (QY) (QZ) (RA) (RB) (RC) (RD) (RE) (RF) (RG) (RH) (RI) (RJ) (RK) (RL) (RM) (RN) (RO) (RP) (RQ) (RR) (RS) (RT) (RU) (RV) (RW) (RX) (RY) (RZ) (SA) (SB) (SC) (SD) (SE) (SF) (SG) (SH) (SI) (SJ) (SK) (SL) (SM) (SN) (SO) (SP) (SQ) (SR) (SS) (ST) (SU) (SV) (SW) (SX) (SY) (SZ) (TA) (TB) (TC) (TD) (TE) (TF) (TG) (TH) (TI) (TJ) (TK) (TL) (TM) (TN) (TO) (TP) (TQ) (TR) (TS) (TT) (TU) (TV) (TW) (TX) (TY) (TZ) (UA) (UB) (UC) (UD) (UE) (UF) (UG) (UH) (UI) (UJ) (UK) (UL) (UM) (UN) (UO) (UP) (UQ) (UR) (US) (UT) (UU) (UV) (UW) (UX) (UY) (UZ) (VA) (VB) (VC) (VD) (VE) (VF) (VG) (VH) (VI) (VJ) (VK) (VL) (VM) (VN) (VO) (VP) (VQ) (VR) (VS) (VT) (VU) (VV) (VW) (VX) (VY) (VZ) (WA) (WB) (WC) (WD) (WE) (WF) (WG) (WH) (WI) (WJ) (WK) (WL) (WM) (WN) (WO) (WP) (WQ) (WR) (WS) (WT) (WU) (WV) (WW) (WX) (WY) (WZ) (XA) (XB) (XC) (XD) (XE) (XF) (XG) (XH) (XI) (XJ) (XK) (XL) (XM) (XN) (XO) (XP) (XQ) (XR) (XS) (XT) (XU) (XV) (XW) (XZ) (YA) (YB) (YC) (YD) (YE) (YF) (YG) (YH) (YI) (YJ) (YK) (YL) (YM) (YN) (YO) (YP) (YQ) (YR) (YS) (YT) (YU) (YV) (YW) (YZ) (ZA) (ZB) (ZC) (ZD) (ZE) (ZF) (ZG) (ZH) (ZI) (ZJ) (ZK) (ZL) (ZM) (ZN) (ZO) (ZP) (ZQ) (ZR) (ZS) (ZT) (ZU) (ZV) (ZW) (ZX) (ZY) (ZZ)

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BUTORINA, T.

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O flore sosudistykh rasteniy krasnoyarskogo zapovednika
"stolby". nauch. metod. zapiski (sovet ministroy rsfsr,
glav. upr, po zapovednikam), vuy. 12, 1949, S. 353

SO: Letopis' Zhurnal'nykh Statey, No. 49, 1949

BUTORINA, T.; KOZLOV, V.; KRUTOVSKAYA, Ye.; NEMCHINOV, V., red.;
GIL'DEBRANT, Ye., tekhn. red.

["Stolby" State Preserve] Gosudarstvennyi zapovednik "Stolby."
Krasnoiarsk, Krasnoiarskoe knizhnoe izd-vo, 1961. 1 v.
(MIRA 15:3)

("Stolby" State Preserve)

BUTORINA, T.

Accounting for haulage. Avt.transp. 41 no.2:33-34 F '63.
(MIRA 16:2)

1. Nachal'nik finansovogo otdela Leningradskogo avtouppravleniya.
(Transportation, Automotive--Accounting)

BUTORINA, T. N., KRUTOVSKAYA, Ye. A. (Krasnoyarsk); Alpat'yev, A. M. ,Prof.,
Leningrad, Beydeman, I. N., and SHIMANYUK, A. P. (Prof.)

"Correlations between rates of Seasonal Development of Organisms and
Inorganic Factors of Surroundings."

report presented at a Phenological Conference in Leningrad, Nov. 1957.
by the USSR Geographical Society.

LYAKHOVSKIY, B., BUTORINA, T. N. and KRUTOVSKAYA, Ye. A.

"Phenological Seasons of the Siberian Tlaga,"

report presented at a Phenological Conference in Leningrad, Nov 57,
by USSR Geographical Society.

BUTORINA, Ye.

Through a painter's eyes. Znan.-sila 38 no.5:56 My '63.
(MIRA 16:11)

BUTORINA, Ye.F.; MATVEYEV, Yu.I.

Detection of flaws in acetate silk by microanalysis. Khim.
volok. no. 6:57-58 '60. (MIRA 13:12)

1. Serpukhovskiy zavod.
(Rayon)

ZHUKOV, Ivan Grigor'yevich; BUTORKIN, Boris Ivanovich

[Kostroma Economic Region] Kostromskoi ekonomicheskii
administrativnyi raion. Kostroma, Kostromskoe knizhnoe
izd-vo, 1959. 61 p. (MIRA 13:2)
(Kostroma Province--Economic conditions)

BUTOROVIC, R

Commanding and organizing communications, p. 3

VOJNI GLASNIK (Jugoslavenska narodna armija) Beograd, Yugoslavia.
Vol. 13, no. 1, Jan 1959

Monthly List of East European Accessions EEAI LC, Vol. 8, no. 6, June 1959
Unclã.

BUT07, A.

~~Efficiency promoters of the trolley bus system in Kaluga.~~

Zhil.-kom.khoz. 8 no.10:15-17 '58.

(MIRA 11:11)

(Kaluga--Trolley buses)

MA. BUTOV, A.M.

Properties of Alloys-2

*Viscosity of Alloys of the System Lead-Tin. A. M. Butov, L. N. Pries, and E. G. Shvilkovsky (*Zhur. Tekhn. Fizik.*, 1951, 21, (11), 1319-1324; *Appl. Mechanics Rev.*, 1952, 5, 269). - [In Russian]. By measuring the decrement of torsional oscillations of a cylindrical beaker filled with liq. metal, the dynamic viscosities of pure Pb and Sn and of Pb-Sn alloys (20, 35, and 60% Pb) were determined at 8 temp. between 250° and 610° C. The paper contains no experimental details and no complete presentation of the theory of measurement (ref. is made to previous work), but there is a supplement to the theory providing a relatively simple numerical evaluation of the experimental data. Results are given to 3 figures.

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S/032/61/027/001/007/037
B017/B054

26.2181 also 1498

AUTHOR: Butov, A. M.

TITLE: Method of Determining the Coefficient of Thermal
Conductivity and Thermal Diffusivity

PERIODICAL: Zavodskaya laboratoriya, 1961, Vol. 27, No. 1, pp. 35-38

TEXT: The following formula is written down (Ref. 1) to calculate the temperature on the cylindrical surface at the instant τ' in a point at the distance r from the cylinder axis with uniform distribution of heat from a spontaneous heat source:

$$t(\tau', r, \tau_0) = \frac{Q}{4\pi\lambda(\tau' - \tau_0)} \exp\left[-\frac{R^2 + r^2}{4k(\tau' - \tau_0)}\right] I_0\left[\frac{iRr}{2k(\tau' - \tau_0)}\right] \quad (1)$$

where R = radius of the cylinder, Q = amount of heat referred to the cylindrical heat source unit, τ_0 = time of action of the heat source,

λ = thermal conductivity coefficient, k = thermal diffusivity coefficient of the medium,

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Method of Determining the Coefficient of Thermal Conductivity and Thermal Diffusivity

S/032/61/027/001/007/037
B017/B054

$I_0 \left[\frac{iRr}{2k(\tau' - \tau_0)} \right]$ = Bessel function. To calculate the temperature on the axis of the cylindrical heat source at $r = 0$ and $I_0(0) = 1$, the author gives equations (6), (7), and (8):

$$t'_2 = \frac{Q}{4\pi\lambda} \left[\text{Ei} \left(-\frac{R^2}{4k(\tau' - \tau_1)} \right) - \text{Ei} \left(-\frac{R^2}{4k\tau'} \right) \right] \quad (6) \quad \text{with } \tau' > \tau_1,$$

where Ei is the integral exponential function. It follows from equation (6) that the temperature on the axis at $r = 0$ rises some time after the interruption of the heat source effect, and then drops. Equation (7) is used to calculate the thermal diffusivity coefficient:

$$k = \frac{R^2 \tau_1}{4(\tau_m - \tau_1) \tau_m \ln \frac{\tau_m}{\tau_m - \tau_1}} \quad (7)$$

Equation (8) is used to calculate the maximum temperature τ_m on the axis of the heat source:

Card 2/3

88279

Method of Determining the Coefficient of
Thermal Conductivity and Thermal Diffusivity

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B017/B054

$$i_m = \frac{Q}{4\pi\lambda} \left[Ei \left(-\frac{\tau_m}{\tau_1} \cdot \ln \frac{\tau_m}{\tau_m - \tau_1} \right) - Ei \left(-\frac{\tau_m - \tau_1}{\tau_1} \cdot \ln \frac{\tau_m}{\tau_m - \tau_1} \right) \right]. \quad (8)$$

Fig. 1 schematically shows an apparatus for determining the coefficients of thermal conductivity and thermal diffusivity of cylindrical heat sources of constant output. The method is suited to investigate sand and plastics, as well as poor heat conductors and liquids, e.g. water, glycerin, and castor oil. Fig. 2 shows the temperature dependence and thermal conductivity of water, glycerin, and castor oil according to data found by S. B. Gateyeva and A. M. Chernyy. There are 2 figures and 3 references: 2 Soviet and 1 Dutch.

ASSOCIATION: Institut "Orgenergostroy" (All-Union Institute for the Design and Planning of Establishments in Power Plant Development)

Card 3/3

BUTOV, A.S., kandidat tekhnicheskikh nauk; ROSECHUPKIN, D.V., kandidat tekhnicheskikh nauk; KOSHLAKOV, G.A., inzhener.

Increasing the efficiency of hydraulic machinery. Mekh. stroi.
12 no.5:15-20 My '55. (MLRA 8:6)
(Hydraulic machinery)

BUTOV, A.S., kandidat tekhnicheskikh nauk; BOSHCHUPKIN, D.V., kandidat tekhnicheskikh nauk; KOSHLAKOV, G.Z., kandidat tekhnicheskikh nauk.

Increasing the productivity of hydraulic pipeline dredges in building
railroad roadbeds. Trudy TSNIIS no.22:190-215 '56. (MLRA 10:6)
(Railroads--Earthwork) (Dredging)

Butov, A.S.

IVANOVA, M.N., inzhener; BUTOV, A.S. kand.tekhn.nauk.

"Advanced technology for earthwork in railroad construction"
by S.G.Gotsdiner. Reviewed by M.N.Ivanova, A.S.Butov. Trans.
stroil. 7 no.4:30-31 Ap '57 (MIRA 10:10)
(Railroads--Earthwork) (Gotsdiner, S.G.)

BUTOV, A.S.,

BUTOV, A.S., kand.tekhn.nauk; ROSHCHUPKIN, D.V., kand.tekhn.nauk.

Hydraulic fill methods used in construction for the transportation
industry. Transp.stroi. 7 no.10:26-29 0 '57. (MIRA 10:12)
(Transportation) (Earthwork)

Butov, A.S.

BUTOV, A.S., kand. tekhn. nauk.

~~Automatic control~~ Automatically controlled floating 12N2EA excavating pump. Transp.
stroil. 7 no.11:7-10 N '57. (MIRA 11:2)
(Automatic control) (Excavating machinery)

BUTOV, A.S., kand.tekhn.nauk

Instrument used for measuring spoil thickness. Transp.stroi. 9
no.2:59 F '59. (MIRA 12:5)
(Dredging) (Measuring instruments)

VOLODARSKIY, L.M., red.; BUTOV, A.S., red.; MOSKOVKINA, A.S.,
red.; SHCHADILOV, N.M., red.; MAKAROVA, O.K., red.;
FROLOVA, M.P., red.

[Industry of the U.S.S.R.; statistical abstract] Pro-
myshlennost' SSSR; statisticheskii sbornik. Moskva,
Izd-vo "Statistika," 1964. 494 p. (MIRA 17:6)

1. Russia (1923- U.S.S.R.) Tsentral'noye statisticheskoye
upravleniye. 2. Zamestitel' nachal'nika Tsentral'nogo sta-
tisticheskogo upravleniya SSSR (for Volodarskiy).

BUTOV, Fedor Mikhaylovich; DROZDOV, S.S., red.; STEBLYANKO, T.V.,
tekhn. red.

[How to use gas appliances in the household] Kak pol'zovat'sia
gazom v bytu. Stavropol', Stavropol'skoe krizhnoe izd-vo,
1959. 30 p. (MIRA 15:7)
(Gas appliances) (Home accidents--Prevention)

USOV, I.I.; BUTOV, G.A.

Two-stage pleurectomy. Probl. tub. no.7:79-81 '63.

(MIRA 18:1)

1. Iz legochno-khirurgicheskogo otdeleniya (nachal'nik I.I. Usov)
TSentral'noy tuberkuleznoy bol'nitsy (nachal'nik G.A. Butov; nauchnyy
rukovoditel' - prof. A.M. Aminev) Karagandinskogo sovkhoza.

Butov, G.P.

25-1-17/48

AUTHOR: Butov, G.P., Actual Member of the All-Union Society for the Propagation of Political and Scientific Knowledge (Station Kshen', Kursk Oblast')

TITLE: "Animal" Electricity ("Zhivotnoye" elektrichestvo)

PERIODICAL: Nauka i Zhizn', 1958, # 1, pp 53-56 (USSR)

ABSTRACT: In this article the author describes the discovery of "animal" electricity as a means to refute various religious conceptions and supernatural explanations given for organic processes. For example, scientific data available on the biotics of the central nervous system disprove the existence of an immaterial "soul" and show that our thoughts and feelings are the product of a highly organized matter - the cerebrum - where the most complicated physiochemical processes take place.

There are seven sketches and three Russian references.

AVAILABLE: Library of Congress

Card 1/1

BUTOV, Ivan, traktorist-mashinist; FROL, V., traktorist-mashinist

Bonuses and monetary awards. Sel'mekh. no.3:23-24 '62.

(MIRA 15:3)

1. Sovkhoz "Romashkovskiy", Pallasovskiy rayon, Volgogradskaya oblast' (for Butov). 2. Sovkhoz "Donskoy", Enbekshil'derskiy rayon, Kokchetavskaya oblast (for Frol).

(Agricultural workers--Rewards (Prizes, etc.) (Wages)

GUKASOV, S., inzh. BUTOV, I.

Operation of the "AVZh" machine. Mias. ind. SSSR 29 no.5:14-15
'58. (MIHA 11:10)

1. Ashkhabadskiy myasokombinat.
(Oils and fats, Edible) (Rendering apparatus)

GUKASOV, S., inzh. ; BUTOV, I.

Machine for removing the hind hock. Mias. ind. SSSR 29 no.6:48
158. (MIRA 11:12)

1. Ashkhabadskiy myasokombinat.
(Packing houses--Equipment and supplies)

BUTOV, I.G., kand.biologicheskikh nauk

Fertilization of mountain meadows. Zemledelie 25 no.12:79-80
D '63. (MIRA 17:4)

1. Kabardino-Balkarskaya gosudarstvennaya sel'skokhozyaystvennaya
opytnaya stantsiya.

BUTOV, I.G.

Biological control of the development of leguminous grasses in connection with the improvement of meadows and pastures of the Kabardino-Balkar A.S.S.R. Uch. zap. Kab.-Balk. gos. un. no.10:23-30 '61
(MIRA 17:6)

1. Nauchnyy sotrudnik Malo-Kabardinskoy sel'sko-khoz'aystvennoy opytnoy stantsii.

BUTOV, I.G.

Biology of the white hellebore *Veratrum lobelianum* Bernh. and the methods of its control in the mountain meadows of the Caucasus. Bot. zhur. 49 no.9:1342-1343 S '64.

(MIRA 17:12)

1. Kabardino-Balkarskaya gosudarstvennaya sel'skokhozyaystvennaya opytnaya stantsiya, pochtovoye otdeleniye Kuyan Uroshaynenskogo rayona.

ANASTASOV, K., ml. nauchen sutrudnik RNISI; BUTOV, M., referent v MNZSG;
GOSPODINOV, G., aspirant, Med. akademiia "V. Chervenkov."

Certain problems in teeth extraction. Stomatologia no.2:108-113
'54. (REAL 3:7)

(TEETH EXTRACTION)

*

BUTOV, M.A., starshiy prepodavatel'

Experimental testing of methods for determining the length of the resonance pipe in a diesel engine. Izv.vys.ucheb.zav.; mashinostr. no.1:107-115 '61. (MIRA 14:4)

1. Zaporozhskiy mashinostroitel'nyy institut.
(Diesel engines--Testing)

Zaporozhskiy Machine Building Inst., Zaporozhskiy U.S.S.R.

BUTOV, M.A., inzh.

Acoustic supercharging of a high-speed four-cylinder diesel
engine. Vest.mash. 41 no.2&3-9 F '61. (MIRA 14:3)
(Diesel engines—Superchargers)

BUTOV, M.A., kand. tekhn. nauk

Resonance conditions in the inlet system of a diesel engine between
pressure fluctuations and the rarefaction pulses which excite them
in the case of using two resonators. Izv. vys. ucheb. zav.; mashinost.
no. 7:107-120 '64. (MIRA 17:10)

1. Zaporozhskiy mashinostroyitel'nyy institut.

BUTOV, N.V.

Radiation injury as a result of the use of x-rays for diagnostic purposes. Vest. rent. i rad. 39 no.1:74 Ja-F '64.

(MIRA 18:2)

1. Rentgenovskoye otdeleniye (zav. N.V. Butov) Nikolayevskoy-na-
/mure gorodskoy bol'nitsy.

BUTOV, N.V.

Pathological fractures in osteodystrophia deformans (Paget's disease). Khirurgiia 40 no.5:145 My '64. (MIRA 8:2)

1. Rentgenologicheskoye otdeleniye (zav.- N.V. Butov) Nikolayevskoy-na-Amure gorodskoy bol'nitsy (glavnyy vrach Z.V. Lelyuk).

BUTOV, P. (Ural'sk)

Improvement of the design of a small loudspeaker. Radio
no.2:30 F '63. (MIRA 16:2)
(Loudspeakers)

RASSHCHEPLYAYEV, Yu. (Rostov-na-Donu); SHESHKO, M. (Gomel'skaya obl.);
OVCHAROV, Ye. (Vinnitsa); SAMTSOVICH, Ye. (UAÉLIZ) (Rostov-na-
Donu); ANTONOV, V. (Moskva); BUTOV, P.

Exchange of experiences. Radio no.9:48,51,53,...62 S '63.
(MIRA 16:12)

SITKIN, V., kapitan 2-go ranga; BUTOV, S., kapitan 3-go ranga

Lectures for voluntary propagandists. Komm.Vooruzh.Sil 2
no.15:55-56 Ag '62. (MIRA 15:7)
(Russia---Navy---Political activity)

VAL'TER, V.G., kand.med.nauk; БИТОВ, С.П. (Cherkessk, Stavropol'skogo
kraya, ul. Alekseyeva, d.34-a)

Late results of herniotomy with plastic repair of the inguinal
canal by Spasokukotskii's method. Vest.khir. no.5:78-81 '61.
(MIRA 15:1)

1. Iz khirurgicheskogo otdeleniya (sav. - V.G. Val'ter) Karachevo-
Cherkesskoy oblastnoy bol'nitsy.
(HERNIA)

5(2)

SOV/78-4-9-6/44

AUTHORS: Petrov, D. A., Butov, V. A., Gil'yadova, N. G.

TITLE: New Chemical Methods for the Preparation of Antimony of High Purity

PERIODICAL: Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 9, pp 1970-1973 (USSR)

ABSTRACT: Antimony of high purity is required for the preparation of antimony compounds with good semiconductor properties. The usual chemical method of purification with subsequent reduction (Refs 1, 2) has the disadvantage, that impurities from side-reactions and apparatus are always contained in the product owing to the many operations to be performed. In this paper the preparation of antimony by thermal decomposition of stibene is described. The thermal decomposition of tributyl stibine is to be reported in a later paper. SbH_3 was obtained by reduction of a HCl solution of $SbCl_3$ by means of magnesium. Synthesis of stibine, purification, and thermal decomposition were effected in one apparatus. This apparatus is shown in figure 1. The most favorable conditions for the reaction were found to be the following: a rate of flow

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SOV/78-4-9-6/44

New Chemical Methods for the Preparation of Antimony of High Purity

14 ml/min.cm² for the antimony trichloride solution to pass thru the ice cooled reaction vessel, which was filled with magnesium, and a thermal reaction zone (quartz tube in an electric resistance furnace) of 90 mm length. The grain of the magnesium metal is of no consequence, must not, however, be too fine, as Mg powder is carried over in this case. In figure 2 the yield in SbH₃ and the Mg requirement are given as a function of the concentration of the SbCl₃ solution, and figure 3 shows the dependence of these values on the HCl concentration. Under the above conditions a 26% yield was attained. The metallic antimony thus obtained consisted of variously formed crystals (dendrites and face crystals) and fused grains. Spectroscopic analysis revealed the absence of Cu, Al, and Ag and a content of Fe, Si, and Mg of the magnitude of 10⁻⁴%. These impurities probably are formed by drops of the reaction mixture carried over with the gas current and the quartz tube. They could be avoided by a second purification of SbH₃ involving condensation and subsequent vaporization in a pure hydrogen current, as well as an additional purification of the initial substances together with the application

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SOV/78-4-9-6/44

New Chemical Methods for the Preparation of Antimony of High Purity

of high quality quartz glass. The tendency of SbH_3 to explode in presence of oxygen is pointed out. There are 3 figures and 8 references, 3 of which are Soviet.

ASSOCIATION: Institut metallurgii im. A. A. Baykova Akademii nauk SSSR
(Institute of Metallurgy imeni A. A. Baykov of the Academy of Sciences, USSR)

SUBMITTED: May 18, 1958

Card 3/3

L 1211.6-65 ENT(1)/EMP(n)/EWT(m)/EPR/FCS(k)/EWA(1) Pd-1/Ps-4 WH
ACCESSION NR: AT500966 UR/3034/65/000/002,003,004

AUTHOR: Alekseyeva, Ye. V.; Barantsev, R. G.; Butov, V. F., 1965-1966

Cora 112

Handwritten signature
Card 2/2

BUTOV, V.I.; CHARTORIZHSKIY, D.N.

Electronic tachistoscope for the presentation of figures.
Vop. psikhol. 10 no.3:155-157 My-Je '64.

Imitator of the means of visual indication with changing
information. Ibid.:157-159 (MIRA 17:9)

1. Laboratoriya industrial'noy psikhologii Leningradskogo
gosudarstvennogo universiteta.

BUTOV, Yu.L., kand.med. nauk

Pathomorphological changes in the pulmonary artery in atherosclerosis. Vrach. delo no.11:30-34 N'63 (MIRA 16:12)

1. Kafedra patologicheskoy anatomii (zav.- prof. G.L.Derman)
Khar'kovskogo meditsinskogo instituta.

FUTOV, Yu. L.

FUTOV, Yu. L. -- "Pathomorphological Changes in the Lungs in Hypertonic Disease." Khar'kov Medical Inst. Khar'kov, 1955. (Dissertation for the Degree of Candidate in Medical Sciences)

SO: Knizhnaya Letopis', No 1, 1956

BUTOV, Yu.L.

Morphological changes in the extra- and intramural neural apparatus
of the lungs in hypertension. Vrach.delo no.8:42-48 Ag '62.

(MIRA 15:11)

1. Kafedra patologicheskoy anatomii (zav. - prof. G.L.Derman)
Khar'kovskogo meditsinskogo instituta.

(LUNGS--INNERVATION) (HYPERTENSION)

BUTOV, Yu.L. (Khar'kov)

Morphological changes in the cervical sections of the vagus nerves, nodose ganglia, and cervical sympathetic ganglia in hypertension. Kaz. med. zhur. no.1:65-66 Ja-F'63.

(MIRA 16:8)

(HYPERTENSION)

(NERVOUS SYSTEM, AUTONOMIC)

BUTOV, Yu.I.; SPIVAK, V.N.

Case of combined granulosa cell tumor of the ovary and adenocarcinoma of the uterus. Akush. i gin. 40 no.1:145-146 Ja-F '64.
(MIRA 17:8)

1. Patologoanatomicheskoye otdeleniye (zav. - prof. M.A. Tishchenko) 2-y Gorodskoy klinicheskoy bol'nitsy (glavnyy vrash G.A. Mukhina), Khar'kov.

Butov, Yu. M.

USSR/General Division. History. Classics. Personalities: A-2

Abs Jour : Ref Zhur-Biologiya, No 2, 1958, 4638

Author : Yu M. Butov

Inst :

Title : K. A. Timiryazev and Scientific Photography

Orig Pub : Dokl. Mosk. s.-kh. acad. im. K. A. Timiryazeva, 1956, 1, No 26, 296-299

Abstract : No abstract

Card 1/1

Butov, Yu. M.

I.

USSR/Plant Physiology - Growth and Development

Abs Jour : Ref Zhur - Biol., No 13, 1953, 82029

Author : Butov, Yu.M.

Inst : Moscow Agricultural Academy in. K.A. Timiryazev

Title : The Study of Plant Leaves Motion by Using the Method of
Cetraferous Filming [?]

Orig Pub : Dokl. Mosk. s.-kh. akad. in. K.A. Timiryazeva, 1957, vyp.
29, 129-138

Abstract : Color and black-and-white cetraferous [?] filming were
utilized to study the daily motions of the leaves of clo-
ver, soya and kidney bean plants, grown under different
light conditions. Clover was grown during uninterrupted
16-and 12-hour days. Films were taken with a 16-hour ex-
posure time. Soya was grown during 16-and 12-hour days;
films were taken with a 12-hour exposure time.

and 1/2

BUTOV, YU. M.

USSR / General and Specialized Zoology. Insects. P
Insect and Mite Pests.

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 44871

Authors : Butov, Yu. M.; Romyantsev, N. D.
Inst : Moscow Agricultural Academy in em K. A. Timi-
ryazov

Title : Contribution to the Problem of Studying Hidden
Corn Seed Infection by the X-Ray Photographic
Method.

Orig Pub : Dokl. Mosk. s.-kh. akad. im. K.A. Timiryazova,
1957, vyp. 29, 166-171

Abstract : Corn seeds were placed under the X-ray tube in
cells of a special box made of iron or duralu-
minum. One side of the box was compactly pasted
with thin cigarette paper. The box with seeds
was placed on an envelope made of black paper,

Card 1/2

S/200/62/000/005/005/005
I015/I215

AUTHOR: Butov, Yu. M.

TITLE: Cinematographic methods of investigation in
biology and medicine

PERIODICAL: Akademiya nauk SSSR. Sibirskoye otdeleniye.
Izvestiya, no.5, 1962, 132-134 ✓

TEXT: This short communication reviews the older photo-
graphic techniques based on photochemical reactions, and the
modern approach based on electrophysical principles. The latter
includes: 1) the electrostatic method (xerography); 2) the electro-
optical method of transformation of an image; 3) the magnetostatic
method (ferro-magnetography); 4) the method of magnetic recording.

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S/200/62/000/005/005/005
I015/I215

Cinematographic methods...

of black-white and color images on a magnetic tape; 5) the photo-
electric (semiconductive) method of magnifying the image. The
advantages of the new methods are listed. There are 2 tables.

ASSOCIATION: Institut eksperimental'noy biologii i meditsiny.
Sibirskogo otdeleniya AN SSSR, Novosibirsk.
(Institute of Experimental Biology and Medicine,
Siberian Section AS USSR, Novosibirsk)

Card 2/2

BUTOVA, A.I.

BULYCHEVA, M. I., GINZBURG, L. A., BUTOVA, A. I., RYBINA, T. A.

Children - Diseases

Course of leptospirosis in children. Vop. pediat. i okhr. mat. i det., 20, No. 4 1952

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified

L 37214-66 EWP(j)/EWT(l)/EWT(m) RM/RO

ACC NR: AP6015390

(A)

SOURCE CODE: UR/0409/65/000/003/0474/0475

42
40
BAUTHOR: Bogatskiy, A. V.; Butova, T. D.; Kolesnik, A. A.; Sabirova, R. A.ORG: Odessa State University im. I. I. Meshikov (Odesskiy gosudarstvennyy universitet); Kazan Institute of Organic Chemistry, AN SSSR (Kazanskiy institut organicheskoy khimii AN SSSR)TITLE: Synthesis of certain cyclic alkoxyalkyl-substituted organophosphorus compoundsSOURCE: Khimiya geterotsiklicheskich soedineniy, no. 3, 1965, 474-475

TOPIC TAGS: organic phosphorus compound, alkoxy compound

ABSTRACT: Continuing their studies of alkoxy compounds, the authors synthesized new heterocyclic alkoxyalkyl-substituted organophosphorus compounds. The synthesis was performed by reacting 2-alkyl-2- α -alkoxyethyl-1,3-propanediols (I) with phosphorus trichloride (II) in the presence of amines, and also by reacting I with dichloroethyl phosphite (III) in the presence of pyridine. The reaction of I and II produced 2-chloro-5-alkyl-5- α -alkoxyethyl-1,3,2-dioxaphosphorinanes (IV), and the reaction of I and III yielded 2-ethoxy-5-alkyl-5- α -alkoxyethyl-1,3,2-dioxaphosphorinanes (V). In addition, one of the phosphorinanes (IV), 2-chloro-5-isopropyl-5- α -isopropoxyethyl-1,3,2-dioxaphosphorinane, was converted by reaction with methanol in the presence of

UDC: 547.879 + 542.95

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